AMENDMENTS TO THE CLAIMS

Please cancel claims 1-6 and 21. A complete listing of claims, including their current status, is provided below.

1-6. (Cancelled)

- 7. (Original) A method for detecting the presence of a target, comprising:
 - (a) hybridizing a probe with an attached label to said target to produce an initial complex;
 - (b) adding a metal ion to the initial complex to produce a final complex; and,
 - (c) applying a potential to the final complex to produce a measurable signal.
- 8. (Original) A method for detecting the presence of a target as recited in claim 7, wherein said label attached to said hybridizing probe is a transition metal-ligand complex.
- 9. (Original) A method as recited in claim 8, wherein said transition metal-ligand complex has a central atom selected from the group consisting of osmium and ruthenium.
- 10. (Original) A method as recited in claim 7, wherein the metal added in step (b) is selected from the group consisting of zinc, cobalt and nickel.
- 11. (Original) A method as recited in claim 7, wherein said measurable signal is a chemiluminescent signal.
- 12. (Original) A method as recited in claim 7, wherein said measurable signal is an electrochemiluminescent signal.
- 13. (Original) A method as recited in claim 7, wherein a plurality of metal ions is added to said initial complex.

- 14. (Original) A method as recited in claim 7, wherein a plurality of different metal ions is added to said initial complex.
- 15. (Original) A method as recited in claim 7, wherein said final complex is conductive.
- 16. (Original) A method for detecting the presence of a target, comprising adding together a probe having an attached label, a target capable of hybridizing to the probe, and metal ions.
- 17. (Original) A method for detecting the presence of a target as recited in claim 16, wherein said label attached to said probe is a transition metal-ligand complex.
- 18. (Original) A method as recited in claim 16, wherein said transition metal-ligand complex is selected from the group consisting of osmium and ruthenium with organic coordinating ligands.
- 19. (Original) A method as recited in claim 16, wherein the metal ions are selected from the group consisting of zinc, cobalt and nickel.
 - 20. (Original) A method for detecting the presence of a target, comprising:
 - (a) hybridizing a probe having an attached label with said target to produce an initial complex, wherein the label produces a signal in response to application of a potential;
 - (b) adding a metal ion to the initial complex to produce a final electrically conductive complex; and
 - (c) applying the potential through the final complex to the label, to cause the label to produce the signal.

21. (Cancelled)